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**LABORATORY**  
OF THE  
**INLAND REVENUE DEPARTMENT**  
**OTTAWA, CANADA**

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**BULLETIN No. 277**

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**TINCTURE OF IODINE**

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*CORRECTION.*

Bulletin No. 273, Gelatin p. 13, Sample No. 58729—under the column headed "Remarks" the word *artificial* should be deleted.

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BULLETIN No. 277

TINCTURE OF IODINE

OTTAWA, February 18, 1914.

WM. HIMSWORTH, Esq.,  
Deputy Minister of Inland Revenue.

SIR,—I beg to submit a report dealing with 72 samples of Tincture of Iodine purchased in September and October last.

The following is a statement of results :—

	Samples.
Found genuine.....	62
" adulterated.....	8
" doubtful.....	2

Adulteration consists in the use of Methyl Alcohol (Wood Spirit) for Ethyl Alcohol in the preparation of the article. Ethyl Alcohol alone is prescribed by the Pharmacopoeias ; and the Inland Revenue Act, Sec. 266 requires announcement of the presence of Methyl Alcohol, in black letters not less than one fourth of an inch in height, wherever it is used.

Two samples are marked doubtful because they do not conform to the formula of the British Pharmacopoeia, nor do they, with exactitude meet the requirements of any other pharmacopoeia. They have, however, evidently been prepared with honest intention, as one contains over 5 per cent of Iodine, and the other meets a demand for a colorless tincture, which however should not be confused with the B. P. Tincture of Iodine.

The last examination of Tincture of Iodine was made in 1908, and results are published in Bulletin No. 152.

I beg to recommend publication of this report as Bulletin No. 277.

I have the honour to be, Sir,  
Your obedient servant,

A. MCGILL,  
*Chief Analyst.*

## BULLETIN No. 277—

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	
				Quantity.	Cost.	Manufacturer.	Furnisher.

## DISTRICT OF NOVA SCOTIA—

1913.							
Oct. 13	Tincture of Iodine.	54311	L. C. Gardener Co., Yarmouth, N.S.	12 oz.	.75	Vendor . . . . .	
" 16	" . . .	54312	H. E. Wilson, Windsor, N.S.	12 "	1.00	" . . . . .	
" 23	" . . .	54313	Brown Bros. & Co., Halifax, N.S.	12 "	.90	Vendors . . . . .	
" 27	" . . .	54314	Crowe Bros., Truro, N.S.	12 "	1.00	" . . . . .	
" 27	" . . .	54315	J. J. Kinley, Lunenburg, N.S.	12 "	1.00	Vendor . . . . .	

## DISTRICT OF NEW BRUNSWICK—

Sept. 20	Tincture of Iodine.	50387	Nat. Drug & Chem. Co., Ltd., St. John, N.B.	3 bots.	1.20	Vendors . . . . .	
Oct. 3	" . . .	50388	The Canadian Drug Co., Ltd., St. John, N.B.	3 "	1.20	" . . . . .	
" 16	" . . .	50389	The Baird Co., Ltd., Woodstock, N.B.	3 "	1.20	" . . . . .	
" 22	" . . .	50390	Leger Drug Co., Ltd., Moncton, N.B.	3 "	1.20	" . . . . .	
" 23	" . . .	50391	C. P. Hickey, Chatham, N.B.	3 "	1.00	Vendor . . . . .	

## DISTRICT OF QUEBEC—

Sept. 22	Tincture of Iodine.	56169	J. B. Giroux, 385 Rue St. Joseph, Quebec.	12 oz.	1.80	Vendor . . . . .	
" 22	" . . .	56170	Jos. Masson, 808 Rue St. Valier, Quebec.	12 "	1.00	" . . . . .	
" 23	" . . .	56171	A. Martineau, 734 Rue St. Joseph, Quebec.	12 "	1.20	" . . . . .	
" 26	" . . .	56172	W. Brunet & Cie, 139 Rue St. Joseph, Quebec.	12 "	1.20	Vendors . . . . .	
" 26	" . . .	56173	L. E. Martel, 51 Rue St. Joseph, Quebec.	12 "	.90	Vendor . . . . .	

## DISTRICT OF THREE RIVERS—

Sept. 24	Tincture of Iodine.	59740	A. L. Boucher, Joliette . . . . .	12 oz.	1.25	Vendor . . . . .	
" 25	" . . .	59755	R. W. Williams, Three Rivers . . . . .	12 "	1.00	Lyans, Ltd., Montreal . . . . .	
" 25	" . . .	59756	J. A. Peltier, Three Rivers . . . . .	12 "	1.20	Vendor . . . . .	
" 25	" . . .	59757	L. P. Normand, Three Rivers . . . . .	12 "	1.10	" . . . . .	
" 27	" . . .	59758	J. T. Gaudet, Joliette . . . . .	12 "	1.25	" . . . . .	

## TINCTURE OF IODINE.

Inspector's Report. (Is not an expression of Opinion).	Results of Analysis.				No. of Sample.	Remarks and Opinion of the Chief Analyst.		
	Iodine B. P.	Iodide of Pot- assium	Alcohol.					
			By Volume	Kind.				

R. J. WAUGH, INSPECTOR.

Sold as B. P. Formula ..	8·94	None.	89·80	Ethyl 13·83 Methyl 75·97	54311	Not B. P. formula. Contains methyl alcohol. Adulterated.
" " ..	2·56	2·36	79·71	Ethyl.	54312	Genuine.
" " ..	2·49	2·51	79·71	"	54313	"
" " ..	2·54	2·42	79·71	"	54314	"
" " ..	2·65	2·28	76·24	"	54315	"

J. C. FERGUSON, INSPECTOR.

.....	3·19	3·06	81·60	Ethyl	50387	Genuine.
.....	2·66	2·80	81·60	"	50388	"
U. S. Phar. Formula....	5·79	None.	85·41	Methyl (crude.)	50389	Contains Methyl alcohol. Adulterated.
.....	2·89	3·05	75·21	Ethyl.	50390	Genuine.
B. P. Formula.....	2·82	2·80	76·91	"	50391	"

F. X. W. E. BELAND, INSPECTOR.

.....	5·61	None.	78·48	Ethyl	56169	Not B. P. formula. Doubtful.
.....	2·25	2·17	80·10	"	56170	Genuine.
.....	3·53	2·10	80·10	"	56171	
.....	2·26	2·78	79·32	"	56172	
.....	2·41	2·48	75·52	"	56173	

DR. V. P. LAVALLÉE, INSPECTOR.

.....	2·07	3·32	70·62	Ethyl	59740	Gen.
.....	2·52	2·65	76·91	"	59755	"
.....	2·36	2·62	78·48	"	59756	"
.....	2·37	2·20	80·10	"	59757	"
.....	2·07	3·32	68·78	"	59758	"

## BULLETIN No. 277—

Date of Collection.	Name of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	
				Quantity.	Cents.	Manufacturer.	Furnisher.

## DISTRICT OF EASTERN TOWNSHIPS—

1913.							
Sept. 23	Tincture of Iodine.	1757	H. Ferron, Arthabaskville	12 ozs.	1 50		
Oct. 1	"	1758	E. C. Frazer, Sherbrooke	12 "	1 50	Vendor	
" 2	"	1759	G. A. Codère, Megantic	12 "	1 80	"	
" 9	"	1760	A. Vaillancourt, Waterloo	10 "	1 00	"	
" 15	"	1761	Dr. E. St. Jacques, St. Hyacinthe	12 "	1 20	"	

## DISTRICT OF MONTREAL—

Nov. 3	Tincture of Iodine.	58621	Arthur Clement, Notre Dame St., Lachine	3 bots.	1 25	Vendor	
" 3	"	58622	Lachine Pharmacy 370 St. Joseph St., Lachine	3 "	1 00	"	
" 4	"	58623	J. Victor Richmond, 701 Wellington St., Lachine	3 "	1 20	"	
" 4	"	58624	J. A. Asselin, 540 Centre St., Montreal	3 "	1 00	"	
" 4	"	58625	Dr. Gauthier, 665 Centre St., Montreal	3 "	1 35	"	

## DISTRICT OF VALLEYFIELD—

Nov. 20	Tincture of Iodine.	58671	Pharmacie St. Onge, Valleyfield	3 bots.	1 50	Vendor	
" 20	"	58672	Dr. J. L. A. Gauthier, Valleyfield	3 "	1 35	"	

## DISTRICT OF OTTAWA—

Sept. 17	Tincture of Iodine.	59171	W. B. Clark, Druggist, Renfrew	12 ozs.	1 00	Vendor	
" 17	"	59172	D. J. Ritz, Renfrew	12 "	1 20	"	
Oct. 4	"	59173	Clarence H. Lewis, Bay St., Ottawa	12 "	1 20	"	
" 4	"	59174	Fred Brethour, Bronson Ave., Ottawa	10 "	1 00	"	
" 4	"	59175	Allen & Cochrane, druggists, Bank and Gilmour Sta., Ottawa	12 "	1 20	Vendors	

## TINCTURE OF IODINE.

Inspector's Report. (Is not an expression of Opinion.)	Results of Analysis.				No. of Sample.	Remarks and Opinion of the Chief Analyst.		
	Iodine	Iodide of Potas- sium	Alcohol.					
			By Volume	Kind.				

## J. C. ROULEAU, INSPECTOR.

Bottle labelled Lyman. Knox & Co., Montreal.	9·12	2·29	67·69	Ethyl . . .	1757	Genuine.
		2·03	82·45	" . . .	1758	"
Decolourized . . .					*1759	Not B. P. tincture. Doubtful.
	2·43	2·37	79·71	Ethyl . . .	1760	Genuine.
	2·97	3·06	81·28	" . . .	1761	"

## D. J. KEARNEY, INSPECTOR.

	2·38	2·79	78·48	Ethyl . . .	58621	Genuine.
	2·57	0·78	70·62	" . . .	58622	Iodide of potassium too low. Adulterated.
	2·97	3·31	75·52	" . . .	58623	Genuine.
	2·59	1·05	80·05	" . . .	58624	Iodide of potassium too low. Adulterated.
	2·38	2·25	77·69	" . . .	58625	Genuine.

## J. J. KEARNEY, ACTING INSPECTOR.

	1·55	2·73	78·48	Ethyl . . .	58671	Iodine too low. Adulterated.
	2·39	3·05	76·55	" . . .	58672	Genuine.

## J. A. RICKEY, INSPECTOR.

	2·55	2·45	78·48	Ethyl . . .	59171	Genuine.
	2·96	2·53	78·09	" . . .	59172	"
	2·50	2·62	76·91	" . . .	59173	"
	3·74	2·63	78·88	" . . .	59174	"
	3·10	2·32	81·28	" . . .	59175	"

\* Labelled Tincture of Iodine, Decolourized.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.	Name and Address of Manufacturer or Furnisher, as given by the Vendor.	
					Quantity.	Cents.

## DISTRICT OF KINGSTON—

1913.								
Sept. 22	Tincture of Iodine.	60041	W. H. Lattimer, Belle-ville.	12 ozs.	100	Vendor.	.....	.....
" 22	"	60042	F. C. Clarkes, Belleville.	12 "	120	"	.....	.....
" 23	"	60043	O. G. Johns, Cobourg.	12 "	120	"	.....	.....
" 23	"	60044	H. W. Mitchell. Port Hope.	12 "	150	"	.....	.....
" 24	"	60045	W. J. Kent, Peterboro.	12 "	100	"	.....	.....

## DISTRICT OF TORONTO—

Sept. 18	Tincture of Iodine.	57494	W. M. Adams, Queen & 10 ozs. Duncan Sts., Toronto.	90	Vendor.	.....	.....	.....
" 22	"	57495	J. A. Gallagher, James & 12 " Gerrard Sts., Toronto.	150	"	.....	.....	.....
" 22	"	57496	J. S. Dyer, 590 Dundas St., Toronto.	75	"	.....	.....	.....
" 24	"	57497	J. W. Struthers & Sons, 12 " Arthur & Euclid Sts., Toronto.	125	Vendors	.....	.....	.....
" 24	"	57498	W. Latimer, 462 Queen St., West, Toronto.	150	Vendor.	.....	.....	.....

## DISTRICT OF HAMILTON—

Oct. 1	Tincture of Iodine.	50890	V. E. Christilam, James & 12 ozs. Cameron St., Hamilton.	100	Vendor.	.....	.....	.....
" 1	"	50891	Sweet & Dunlop, 270 King St., West, Hamilton.	120	"	.....	.....	.....
" 1	"	50892	R. C. Sexsmith, 240 York St., Hamilton.	110	Nat. Drug & Chemical Co., Ltd.	.....	.....	.....
" 2	"	50893	W. Ward, Simpson, 28 Market St., Brantford.	12 "	100	Vendor.	.....	.....
" 3	"	50894	Walker, Abbs & Co., 295 St. Paul St., St. Catharines.	12 "	100	Vendors	.....	.....

## DISTRICT OF WINDSOR—

Oct. 8	Tincture of Iodine.	54411	J. McRobie, Petrolia.	12 ozs.	100	Vendor.	.....	.....
" 8	"	54413	Jackson & Co., Petrolia.	12 "	120	Vendors	.....	.....
" 9	"	54428	G. G. Ingersoll, Sarnia.	12 "	100	Vendor.	.....	.....
" 9	"	54429	P. T. McGibbon, Sarnia.	12 "	100	"	.....	.....
" 9	"	54434	H. Robertson, Sarnia.	12 "	120	"	.....	.....

## TINCTURE OF IODINE.

Inspector's Report, (Is not an expression of Opinion),	Results of Analysis.				No. of Sample.	Remarks and Opinion of the Chief Analyst.		
	Iodine $\frac{w}{v}$	Iodide of Potas- sium. $\frac{w}{v}$	Alcohol.					
			By Volume	Kind.				

## JAS. HOGAN, INSPECTOR.

	p. c.	p. c.	p. c.			
.....	2.34	2.59	77.30	Ethyl ....	60041	Genuine.
.....	2.30	3.03	79.71	" ....	60042	"
.....	3.12	2.68	78.09	Ethyl ....	60043	"
.....	1.90	1.57	83.59	Ethyl .... 68.27 Methyl. .... 15.32	60044	Methyl alcohol present. Iodine too low. Adulterated.
.....	3.49	2.13	73.79	Ethyl ....	60045	Genuine.

## H. J. DAGER, INSPECTOR.

	2.66	2.78	80.88	Ethyl ....	57494	Genuine.
.....	2.77	2.76	81.28	" ....	57495	"
.....	2.89	2.91	79.71	" ....	57496	"
.....	2.64	2.45	73.79	" ....	57497	"
.....	2.59	2.57	80.10	" ....	57498	"

## J. J. COSTIGAN, ACTING INSPECTOR.

	2.52	2.39	81.28	Ethyl ....	50890	Genuine.
.....	2.13	2.90	65.36	" ....	50891	"
.....	2.46	2.44	76.24	" ....	50892	"
.....	2.50	2.66	86.44	Methyl....	50893	Contains Methyl. alcohol. Adul- terated.
.....	3.26	2.61	79.32	Ethyl ....	50894	Genuine.

## JNO. TALBOT, INSPECTOR.

	3.03	2.79	75.70	Ethyl ....	54411	Genuine.
.....	2.82	2.86	81.60	" ....	54413	"
.....	2.67	2.44	77.69	" ....	54428	"
.....	2.69	2.61	82.37	" ....	54429	"
.....	3.19	2.86	80.10	" ....	54434	"

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	
				Quantity.	Cents.	Manufacturer.	Furnisher.

## DISTRICT OF MANITOBA—

1913.							
Oct. 6	Tincture of Iodine.	48985	McLellan Drug Store, Selkirk Ave., Winnipeg.	12 oz	150	Vendor.	.....
" 6	" .	48986	North Main Pharmacy, Winnipeg.	12 "	150	"	.....
" 6	" .	48987	R. C. Jamieson, Druggist, Ellice Ave.	12 "	180	"	.....
" 6	" .	48988	Robinson Drug Store, Ellis and Sherbrooke.	12 "	180	"	.....
" 7	" .	48989	A. J. Brown & Co., Market St.	12 "	180	"	.....

## DISTRICT OF ROCKY MOUNTAINS—

Oct. 3	Tincture of Iodine.	49968	Rutherford Drug Co., Nelson, B.C.	12 oz.	180	Vendors.	.....
" 3	" .	49969	Canada Drug & Book Co., Nelson, B.C.	12 "	135	"	.....
" 17	" .	49976	N. E. Suddall, Fernie.	12 "	135	Vendor.	.....
" 17	" .	49977	McLean Drug and Book Store, Fernie.	12 "	180	"	.....
Nov. 3	" .	49990	Thos. Stout, Rossland.	12 "	150	"	.....

## DISTRICT OF VICTORIA—

Oct. 18	Tincture of Iodine.	57643	Hall & Co., 702 Yates St., Victoria, B.C.	12 oz.	150	Vendors.	.....
" 16	" .	57658	Ivels Pharmacy, 1415 Government St., Victoria, B.C.	12 "	150	Vendor.	.....
" 16	" .	57659	Oak Bay Pharmacy, Oak Bay Junction, Victoria, B.C.	12 "	150	"	.....
" 17	" .	57663	Terry's Drug Store, 705 Fort St., Victoria, B.C.	12 "	150	"	.....
" 18	" .	57669	Dean & Hiscock's, 627 Yates St., Victoria, B.C.	12 "	150	Vendors.	.....

## TINCTURE OF IODINE.

Inspector's Report. (Is not an expression of Opinion).	Results of Analysis.				No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Iodine %	Iodide of Pot- assium %	Alcohol.			
			Volume.	Kind.		

## A. C. LARIVIERE, INSPECTOR.

	p. c.	p. c.	p. c.			
.....	2.42	2.45	83.00	Ethyl....	48985	Genuine.
.....	2.69	2.83	80.49	" ....	48986	"
.....	2.95	2.97	83.43	" ....	48987	"
.....	2.59	2.56	78.48	" ....	48988	"
.....	2.94	2.91	83.43	" ....	48989	"

## THOS. PARKER, INSPECTOR.

.....	2.79	2.79	79.71	Ethyl....	49968	Genuine.
.....	2.74	2.62	76.55	" ....	49969	"
.....	3.06	2.83	77.69	" ....	49976	"
.....	2.59	2.58	75.52	" ....	49977	"
.....	2.61	2.51	78.88	" ....	49990	"

## D. O'SULLIVAN, INSPECTOR.

.....	2.21	2.40	82.70	Ethyl....	57643	Genuine.
.....	2.82	2.47	79.71	" ....	57658	"
.....	3.15	3.36	784.8	" ....	57659	"
.....	4.15	None.	75.88	Ethyl 58-60 Methyl 17-28	57663	Contains Methyl alcohol. Adul- terated.
.....	2.69	2.47	78.09	Ethyl..	57669	Genuine.